

Implementation and Integration of EVs in Transportation

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Benefits and Requirements of Electric Vehicle Implementation

Benefits

- Improved Air Quality
- Mitigation of Global Warming
- Energy Conservation
- Reduction in Oil Imports

Requirements

- Improve Performance
- Reduce Cost
- Develop Infrastructure



Meeting the Challenges

- Improve Performance (Range, Power)
 - Research and Development
- Reduce Cost (Battery, etc.)
 - Research and Development
 - High Production Rate (Vehicles per year)
- Develop Infrastructure
 - Install Battery Chargers
 - Community Preparation



Cooperative Efforts of Stakeholders

Government

- Federal
- State
- Local

Industry and Business

- Automobile Manufacturers
- Battery Manufacturers
- Equipment Manufacturers
- Electric Power Companies

Government Programs to Encourage EV Purchase and Use

- Research and Development
- Battery and EV Testing
- Government Fleet EV Acquisitions
- ZEV Mandates
- Subsidies and Tax Incentives
- Fleet EV Acquisition Mandates
- Public Information



Industry Programs to Encourage EV Purchase and Use

- Research and Development
- Development of Standards
- Charger Installation
- Electricity Cost Reduction
- EV-Ready Community Workshops
- Public Information and Demonstrations
- Training and Education